

Quiz 17: 3/10/15

Question 1

Process	Arive Time	Process Time
A	0	7
B	15	8
C	2	4
D	12	10

Draw the schedule timeline for the above processes and give the average response time (the average time between a process arriving and finishing) using the following scheduling algorithms:

- a) First Come First Serve (FCFS)
- b) Shortest Remaining Time Next (SRTN)
- c) Round Robin (RR) w/ quantum = 5 units.

Answer:

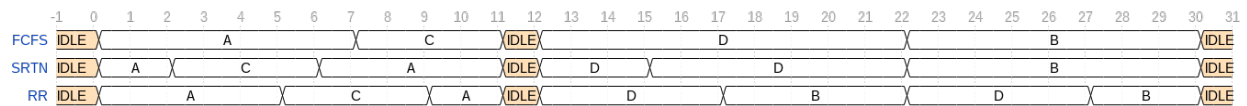


Figure 1: Timelines

Average response time:

- a) FCFS: $41/4 = 10.25$
- b) SRTN: $40/4 = 10$
- c) RR: $48/4 = 12$